

ABSTRACT

Methods and apparatus for a scalable locking convention are disclosed..

According to one aspect of the present invention, a method for acquiring access to an

- 5 object in an object-based system includes identifying a memory address value associated with the object, and identifying a first synchronization construct that is suitable for use in granting access to the object. The synchronization construct is arranged to be identified using at least part of the memory address value. The method also includes determining when the first synchronization construct is available to be
- 10 acquired, *e.g.*, by a thread, and associating the first synchronization construct with the object when the first synchronization construct is available. In one embodiment, the first synchronization construct is a non-nestable, global lock.